Release notes for ENDF/B Development n-055_Cs_135 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=5531, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=5531, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 247 TO 292

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=5531, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=5531, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 247

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=5531,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 294

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 637

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 697

5. Missing a section in directory so your directory is massed up. This error will be

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 757

6. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=5531,\ MF=3,\ MT=16\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 771

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 78:

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 787

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 801

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 32 SECTION 3/ 32 NOT IN DIRECTORY

RECORD NUMBER 813

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 33 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 33 SECTION 3/ 33 NOT IN DIRECTORY

RECORD NUMBER 821

12. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 829

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 843

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 53

SECTION 3/53 NOT IN DIRECTORY

RECORD NUMBER 856

15. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 869

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 881

17. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT=102

SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 892

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 911

19. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 926

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=105 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 939

21. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=3, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 951

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 968

23. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=4, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 1124

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 1135

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 1146

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 1157

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 32 SECTION 4/ 32 NOT IN DIRECTORY

RECORD NUMBER 1168

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=4, MT=33 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 33

SECTION 4/ 33 NOT IN DIRECTORY

RECORD NUMBER 1179

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 1190

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 52

SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1218

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1246

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 1274

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=4, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 1301

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 1329

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 1383

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1413

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1616

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 32 SECTION 5/ 32 NOT IN DIRECTORY

RECORD NUMBER 1738

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5531, MF=5, MT=33 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 33 SECTION 5/ 33 NOT IN DIRECTORY

RECORD NUMBER

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 5, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 1819

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5531, MF = 33, MT = 1 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF=33, MT= 1 SECTION 33/ 1 NOT IN DIRECTORY

RECORD NUMBER 1956

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5531, MF = 33, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF=33, MT= 2

SECTION 33/ 2 NOT IN DIRECTORY

RECORD NUMBER 2159

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5531, MF = 33, MT = 4 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF=33, MT= 4 SECTION 33/ 4 NOT IN DIRECTORY

RECORD NUMBER 2362

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5531, MF = 33, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF=33, MT= 16 SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 2503

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5531, MF = 33, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5531, MF=33, MT=102 SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 2525

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations $FILE^{-2}$ / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 / STRENGTH FUNCTION 1.49997E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 STRENGTH FUNCTION 1.49997E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [5 more lines]

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 / STRENGTH FUNCTION 1.50003E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 STRENGTH FUNCTION 1.50003E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [5 more lines]

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 STRENGTH FUNCTION 1.50000E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [9 more lines]

4. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 / STRENGTH FUNCTION 1.50006E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 STRENGTH FUNCTION 1.50006E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [1 more lines]

5. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 / STRENGTH FUNCTION 1.49994E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49997E-04 STRENGTH FUNCTION 1.49994E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

6. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 / STRENGTH FUNCTION 1.49996E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04

STRENGTH FUNCTION 1.49996E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [6 more lines]

7. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 / STRENGTH FUNCTION 1.50004E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 STRENGTH FUNCTION 1.50004E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [3 more lines]

8. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 / STRENGTH FUNCTION 1.50000E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 STRENGTH FUNCTION 1.50000E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [8 more lines]

9. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 / STRENGTH FUNCTION 1.49992E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 STRENGTH FUNCTION 1.49992E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

10. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 / STRENGTH FUNCTION 1.50008E-04 / LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 2.20000E+02. STRENGTH FUNCTION IS 1.49996E-04 STRENGTH FUNCTION 1.50008E-04

LIES OUTSIDE LIMITS 1.00000E-05 TO 1.00000E-04

... [3 more lines]

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / $MultiLevel_BreitWigner$ (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 2.0 and S = 2.0 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=O at E=220.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.25%

4. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes. Section 1 (n + Cs135): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 1 (n + Cs135): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes. Section 2 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (n/multiplicity: '2'] + Cs134): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

11. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (Cs136 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

12. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (Cs136 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree. reaction label 8: n + H1 + Xe134 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6812025.832199097 eV vs -6833630. eV!

2. Calculated and tabulated Q values disagree. reaction label 9: n + H2 + Xe133 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13139668.41441345 eV vs -1.30626e7 eV!

3. Calculated and tabulated Q values disagree. reaction label 10: n + H3 + Xe132 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13316871.01678467 eV vs -1.33296e7 eV!

4. Calculated and tabulated Q values disagree. reaction label 13: $H1 + Xe135_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -448165.8671722412 eV vs -376530. eV!

5. Calculated and tabulated Q values disagree. reaction label 14: H2 + Xe134_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4587459.731262207 eV vs -4523510. eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided

- 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 32 only mf4/mf5 provided
- 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 33 only mf4/mf5 provided
- 7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (6): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided